Claim 5, lines 1-2, delete "any one of the preceding claims", and insert --claim 1--;

Claim 6, lines 1-2, delete "any one of the preceding claims", and insert --claim 1--;

Claim 7, lines 1-2, delete "any one of the preceding claims", and insert --claim 1--;

Claim 8, lines 1-2, delete "any one of the preceding claims", and insert --claim 1--;

Claim 9, line 1, delete "any one of claims 1-8", and insert --claim 1--;

Claim 11, line 1, delete "or 10";

Claim 12, line 1, delete "any one of claims 9-11", and insert --claim 9--;

Claim 13, line 1, delete "any one of claims 9-11", and insert --claim 9--;

Claim 14, line 3, delete "any one of the preceding claims", and insert --claim 1--; and

Claim 19, line 1, delete "or 18".

Please add new claims 20-23 as follows:

20. A flow sensor according to claim 2, characterized in that:

to substantially each combination of two cross sections of the blade it applies that

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$$[r_1*\cos(H_1)*B_1]/[r_2*\cos(H_2)*B_2]>1$$

wherein:

r_1 = distance first section relative to the center of the core (m);

r_2 = distance second section relative to the center of the core (m);

wherein $r_2 > r_1$;

H_1 = blade angle first section (°);

H_2 = blade angle second section (°);

B_1 = Blade width first section (m); and

B_2 = Blade width second section (m),

wherein to all blade angles of the impeller it applies that they lie in one quadrant and that the blade angle (H) and blade width (B) have a flowing curve over the blade;

the impeller comprises two blades which together with the core cover the entire diameter of the relevant cross section of the tube section, the blades preferably being arranged diametrically opposite each other;

that the distance between the free end of ~~the or~~ each blade and the inner wall of the tube section is less than 2%, and preferably approximately 1% of the diameter of the tube section;

for each blade the blade curve at the leading side is less than 5°, and preferably approximately 0°;

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to a cross section of each blade it applies that the cross section has the greatest thickness at a distance of about 1/3 of the blade width, measured from the front edge of the blade, the greatest blade thickness being preferably about 10% of the relevant blade width;

the core has a frontal surface of no more than approximately 10% of the internal cross section of the tube section;

the tube section, downstream of the impeller, a ventilating fan is arranged for drawing in air, via the tube section, from the side of the impeller remote from the ventilating fan and through the plane covered by the impeller during a revolution, and for delivering said air outside the tube section;

the ventilating fan rotates in a direction opposite to that of the impeller;

the distance between the blades of the ventilating fan and the blades of the impeller at least corresponds to the diameter of the tube section;

on the side of the impeller, the tube section comprises an outwardly bent inflow edge whose curvature radius is greater than 10% of the diameter of the tube section, the impeller being disposed at the level of the inflow edge.

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21. A flow sensor according to claim 14, characterized in that on the side of the impeller, the tube section comprises an outwardly

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bent inflow edge whose curvature radius is greater than 10% of the diameter of the tube section, the impeller being disposed at a distance from the inflow edge which is at least half the diameter of the tube section.

~~22~~ 4. A ventilating device, in particular suitable for use for the ventilation of spaces, wherein a flow sensor according to claim ~~20~~ 3 is included ~~in one of the boundaries of a space to be ventilated~~, wherein switching means are included for regulating, on the basis of the speeds of the impeller registered by the measuring means and an air composition measured within the space, the amount of air to be discharged from the space by the flow sensor.

~~23~~ 22. A method according to claim ~~18~~ 21, characterized in that for each cross section of each blade, a width and blade angle are determined so that to substantially each combination of two cross sections of the blade, it applies that

$$[r_1*\cos(H_1)*B_1]/[r_2*\cos(H_2)*B_2]>1$$

wherein:

r_1 = distance first section relative to the center of the core (m);

r_2 = distance second section relative to the center of the core (m);

wherein $r_2 > r_1$;

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